

Patent Abstracts of Japan

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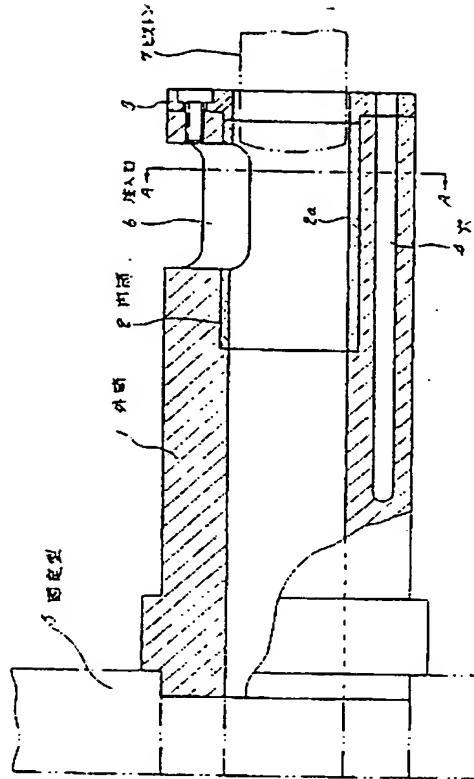
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TITLE : INJECTION CYLINDER FOR DIE  
CASTING MACHINE



ABSTRACT : PURPOSE: To prevent the thermal deformation, crack and abrupt wear of an inside cylinder and to extend considerably the life of an injection cylinder by compressing and fitting the inside cylinder having ultra high resistance to heat and wear to the part near the molten metal pouring hole of the inside circumferential surface of said cylinder and providing a heat medium introducing hole to an outside cylinder.

CONSTITUTION: The inside cylinder 2 consisting of the material such as ceramics or cermet having the ultra high resistance to heat and wear is preliminarily compressed and fitted to the inside circumferential surface of the outside cylinder of the aluminum injection cylinder at least near the molten metal pouring part 6 thereof. The plural holes 4 for introducing the heat medium are provided to the cylinder 1 and the cylinder 2 is heated to prevent the thermal deformation, crack and abrupt wear during the molten metal pouring of the cylinder 2, by which the cylinder life is considerably extended.

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